



200 West Mercer St. ♦ Suite 401 ♦ Seattle, WA 98119  
Phone: 206.378.1364 ♦ Fax: 206.217.0089 ♦ www.windwardenv.com

July 15, 2016

de maximis, inc.  
Willard Potter  
186 Center Street Suite 290  
Clinton, New Jersey 08809

Dear Willard,  
Please find our invoice #0616 for Professional Time Rendered from June 1, 2016 to June 30, 2016 for The Passaic RI/FS project.

Task	Amount
Task 26 CPG Strategic Support	1,037.73
Task 50.2 BERA cmt rsp mgts	12,555.03
Task 51 BERA RTC	7,809.20
Task 53 Dispute Issue Support	1,952.88
Task 54 Revised SLERA	3,186.05
Task 55 BERA Toxicity Evaluation	556.20
Task 56 Revised BERA	101,673.88
Task 57 Response to EPA RI Comments	59,108.13
	<b><u>\$ 187,879.10</u></b>



200 West Mercer Street  
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## Task 26 CPG Strategic Support

Invoice Date: 6/30/2016

Invoice Number: 14407

### Bill To

de maximis, inc.  
Willard Potter  
186 Center Street Suite 290  
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from June 1, 2016 to June 30, 2016			
Lisa Saban	4	180.00	720.00
Heidi Enders	0.5	79.00	39.50
Chris Nelson	2	124.00	248.00
Subtotal			1,007.50
Markup 3%		3.00%	30.23
Total Labor			1,037.73
Total			\$1,037.73



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Task 50.2 BERA cmt rsp mgts

Invoice Date: 6/30/2016

Invoice Number: 14408

Bill To

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Willard Potter  
186 Center Street Suite 290  
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from June 1, 2016 to June 30, 2016			
Lisa Saban	23	180.00	4,140.00
Siobhan Sloan-Evans	3	124.00	372.00
Shannon Katka	2.5	169.00	422.50
Brian Church	1	124.00	124.00
Matt Luxon	6.5	169.00	1,098.50
Berit Bergquist	2	169.00	338.00
Mike Johns	17	192.00	3,264.00
Subtotal			9,759.00
Markup 3%		3.00%	292.77
Total Labor			10,051.77
PER DIEMS			
Mike Johns		236.75	236.75
Lisa Saban		236.75	236.75
COSTS			
Communication (WCI#161522804)		62.61	62.61
Travel (BOA6/15/2016)		817.10	817.10
Travel (BOA6/15/2016)		817.10	817.10
Travel(BOA6/15/2016)		96.00	96.00
Travel (MikeJ6/23/2016)		50.00	50.00

**Total**

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### Task 50.2 BERA cmt rsp mgts

Invoice Date: 6/30/2016

Invoice Number: 14408

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[illegible]

<b>Total</b>	\$12,555.03
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Task 51 BERA RTC

Invoice Date: 6/30/2016

Invoice Number: 14409

Bill To

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Willard Potter  
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Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from June 1, 2016 to June 30, 2016			
Lisa Saban	11	180.00	1,980.00
Shannon Katka	1	169.00	169.00
Karen Tobiason	2	169.00	338.00
Kim Goffman	23	143.00	3,289.00
Jennifer Parker	1.5	169.00	253.50
Brian Church	11.5	124.00	1,426.00
Linda Marsh	1.25	101.00	126.25
Subtotal			7,581.75
Markup 3%		3.00%	227.45
Total Labor			7,809.20

**Total**

**\$7,809.20**

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## Task 53 Dispute Issue Support

Invoice Date: 6/30/2016

Invoice Number: 14410

Bill To

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Willard Potter  
186 Center Street Suite 290  
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from June 1, 2016 to June 30, 2016			
Brian Church	3	124.00	372.00
Lisa Saban	1	180.00	180.00
Mike Johns	7	192.00	1,344.00
Subtotal			1,896.00
Markup 3%		3.00%	56.88
Total Labor			1,952.88
<b>Total</b>			<b>\$1,952.88</b>

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Task 54 Revised SLERA

Invoice Date: 6/30/2016

Invoice Number: 14411

Bill To

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Willard Potter  
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[illegible]**Total**

\$3,186.05

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## Task 55 BERA Toxicity Evaluation

Invoice Date: 6/30/2016

Invoice Number: 14412

Bill To

de maximis, inc.  
Willard Potter  
186 Center Street Suite 290  
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from June 1, 2016 to June 30, 2016			
Lisa Saban	3	180.00	540.00
Markup 3%		3.00%	16.20
Total Labor			556.20
Total			\$556.20





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Task 56 Revised BERA

Invoice Date: 6/30/2016

Invoice Number: 14413

Bill To

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186 Center Street Suite 290  
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Description	Units	Rate	Amount
LABOR from June 1, 2016 to June 30, 2016			
Brian Church	21.25	124.00	2,635.00
David DeForest	2.5	169.00	422.50
Kim Goffman	81	143.00	11,583.00
Shana Schorsch	61	124.00	7,564.00
Linda Marsh	19.5	101.00	1,969.50
Nina Maas	72.25	124.00	8,959.00
Jennifer Parker	118.5	169.00	20,026.50
Suzanne Replinger	25	169.00	4,225.00
Lisa Saban	41	180.00	7,380.00
Jenna Rheuben	77	124.00	9,548.00
Matt Luxon	16.25	169.00	2,746.25
Siobhan Sloan-Evans	9.75	124.00	1,209.00
Shannon Katka	44	169.00	7,436.00
Karen Tobiason	23.5	169.00	3,971.50
Berit Bergquist	43.25	169.00	7,309.25
Mike Johns	9	192.00	1,728.00
Subtotal			98,712.50
Markup 3%		3.00%	2,961.38
Total Labor			101,673.88

**Total**

**\$101,673.88**



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# Task 57 Response to EPA RI Comments

Invoice Date: 6/30/2016

Invoice Number: 14414

## Bill To

de maximis, inc.  
Willard Potter  
186 Center Street Suite 290  
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from June 1, 2016 to June 30, 2016			
John Toll	73	180.00	13,140.00
Brian Church	46.5	124.00	5,766.00
Nina Maas	7.25	124.00	899.00
Lisa Saban	24	180.00	4,320.00
Thai Do	0.75	124.00	93.00
Suzanne Replinger	6	169.00	1,014.00
Rocky Wells	7.75	124.00	961.00
Nate Lewis	115.75	143.00	16,552.25
Mike Johns	30	192.00	5,760.00
Matt Luxon	25	169.00	4,225.00
Jenna Rheuben	14.25	124.00	1,767.00
Linda Marsh	1	101.00	101.00
Kim Goffman	0.75	143.00	107.25
Subtotal			54,705.50
Markup 3%		3.00%	1,641.17
Total Labor			56,346.67
PER DIEM			
John Toll		427.75	427.75
Mike Johns		427.75	427.75
COSTS			

**Total**

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Task 57 Response to EPA RI Comments

Invoice Date: 6/30/2016

Invoice Number: 14414

Bill To

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Description	Units	Rate	Amount
Travel (BOA6/15/2016)		1,840.20	1,840.20
Supplies (UWInvoice#LIB006522)		65.76	65.76
Total			1,905.96
Total			\$59,108.13

## PASSAIC RI/FS - PER DIEM TRACKING

### Task 50.2 BERA cmt rsp mgts

	Mike Johns	Lisa Saban	Total
Monday, June 06, 2016			-
Tuesday, June 07, 2016	191.00	191.00	382.00
Wednesday, June 08, 2016	45.75	45.75	91.50
Thursday, June 09, 2016			-
Friday, June 10, 2016			-
Saturday, June 11, 2016			-
Sunday, June 12, 2016			-
<b>TOTAL</b>	<b>236.75</b>	<b>236.75</b>	<b>473.50</b>

## PASSAIC RI/FS - PER DIEM TRACKING

### Task 57

	John Toll	Mike Johns	Total
Monday, June 27, 2016	191.00		191.00
Tuesday, June 28, 2016	191.00	191.00	382.00
Wednesday, June 29, 2016	45.75	191.00	236.75
Thursday, June 30, 2016		45.75	45.75
Friday, July 01, 2016			-
Saturday, July 02, 2016			-
Sunday, July 03, 2016			-
<b>TOTAL</b>	<b>427.75</b>	<b>427.75</b>	<b>855.50</b>

# Passaic Labor Report

## Task 26 CPG Strategic Support

### Chris Nelson

Date	Hours	Rate	Extended	Notes
6/8/2016	2.00	124.00	\$248.00	Assisting Lisa with budgets
Summary for Chris Nelson	2.00		\$248.00	

### Heidi Enders

Date	Hours	Rate	Extended	Notes
6/7/2016	0.50	79.00	\$39.50	Assisting Lisa with budgets.
Summary for Heidi Enders	0.50		\$39.50	

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/6/2016	2.00	180.00	\$360.00	reviewing staff time end of month
6/8/2016	2.00	180.00	\$360.00	complete staff review and monthly report
Summary for Lisa Saban	4.00		\$720.00	
Summary for Task 26 CPG Strategic Support	6.50		\$1,007.50	

## Task 50.2 BERA cmt rsp mgts

### Berit Bergquist

Date	Hours	Rate	Extended	Notes
6/6/2016	1.00	169.00	\$169.00	review slides for CPG presentation and provide comments
6/7/2016	1.00	169.00	\$169.00	continue review and commenting on slides for CPG presentation

Summary for Berit Bergquist		
2.00		\$338.00

### Brian Church

Date	Hours	Rate	Extended	Notes
6/3/2016	0.50	124.00	\$62.00	Preparing benthic slides for upcoming CPG meeting
6/6/2016	0.50	124.00	\$62.00	Updating and adding slides for benthic
Summary for Brian Church	1.00		\$124.00	

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/2/2016	3.00	180.00	\$540.00	call with rob, mike, bill, mike and start developing presentation for TC
6/5/2016	2.00	180.00	\$360.00	preparing for TC meeting - review FFS/RD coc and compare to revised BERA cocs..
6/6/2016	2.00	180.00	\$360.00	discussing TC presentation and reviewing slides with staff
6/7/2016	6.00	180.00	\$1,080.00	preparing presentation for TC mgt
6/8/2016	8.00	180.00	\$1,440.00	TC meeting
6/9/2016	2.00	180.00	\$360.00	follow up from meeting.
Summary for Lisa Saban	23.00		\$4,140.00	

### Matt Luxon

Date	Hours	Rate	Extended	Notes
6/3/2016	4.50	169.00	\$760.50	Preparing summary of fish and invertebrate risks for CPG presentation.
6/7/2016	2.00	169.00	\$338.00	Reviewing comments and updating slides for meeting
Summary for Matt Luxon	6.50		\$1,098.50	

### Mike Johns

Date	Hours	Rate	Extended	Notes
6/6/2016	3.00	192.00	\$576.00	TC mtg prep
6/7/2016	6.00	192.00	\$1,152.00	TC mtg prep
6/8/2016	8.00	192.00	\$1,536.00	TC mtg
Summary for Mike Johns	17.00		\$3,264.00	

**Shannon Katka**

Date	Hours	Rate	Extended	Notes
6/2/2016	1.00	169.00	\$169.00	work on slides for Lisa presentation on BERA update and results
6/7/2016	1.50	169.00	\$253.50	review slides for CPG meeting on BERA status and results
Summary for Shannon Katka				
	2.50		\$422.50	

**Siobhan Sloan-Evans**

Date	Hours	Rate	Extended	Notes
6/2/2016	3.00	124.00	\$372.00	surface water assessment summary for presentation (support to Lisa Saban)
Summary for Siobhan Sloan-Evans				
	3.00		\$372.00	
Summary for Task 50.2 BERA cmt rsp mgts				
	55.00		\$9,759.00	

**Task 51 BERA RTC****Brian Church**

Date	Hours	Rate	Extended	Notes
6/22/2016	0.75	124.00	\$93.00	reviewing MRGB datasets and responding to emails in response to epa comment.
6/23/2016	3.00	124.00	\$372.00	Addressing lingering comments in memo on epa comment
6/24/2016	1.25	124.00	\$155.00	Outlining memo; coordinating with Kim on data, memo text in response to epa comment.
6/27/2016	1.50	124.00	\$186.00	Reviewing MRGB data and preparing writeup in response to epa comment.
6/28/2016	5.00	124.00	\$620.00	Developing memo on Mullica River data in response to epa comment.
Summary for Brian Church				
	11.50		\$1,426.00	

**Jennifer Parker**

Date	Hours	Rate	Extended	Notes
6/16/2016	0.50	169.00	\$84.50	Continued to update the RTC.
6/17/2016	0.50	169.00	\$84.50	Continued to update the RTC.
6/20/2016	0.50	169.00	\$84.50	Continued updating the RTC.



Summary for Jennifer Parker  
1.50

\$253.50

### Karen Tobiason

Date	Hours	Rate	Extended	Notes
6/1/2016	2.00	169.00	\$338.00	Work on response to comments on benthic
Summary for Karen Tobiason	2.00		\$338.00	

### Kim Goffman

Date	Hours	Rate	Extended	Notes
6/7/2016	3.00	143.00	\$429.00	In response to EPA cmt continue reconciling EPA regional datasets with BERA equivalent; summarize discrepancies
6/22/2016	1.50	143.00	\$214.50	Review NCA dataset used for Battelle analysis. Provide addl data support for carp comparison to other LPRSA fish in response to epa cmt
6/25/2016	6.50	143.00	\$929.50	Import NCA dataset from EPA website for assessment of new Mullica SQT stations; compare to Battelle dataset in response to epa cmt
6/27/2016	7.00	143.00	\$1,001.00	Import NCCA dataset from EPA website; add to revised Mullica dataset. Add calculated sums and screen for reference use. Write up Battelle comparison and data usability notes in response to epa cmt
6/28/2016	5.00	143.00	\$715.00	Create database reference tables for new Mullica locations. Compare to online sources to confirm completeness. QC benthic community calculations. Continue working on data usability writeup in response to epa cmt
Summary for Kim Goffman	23.00		\$3,289.00	

### Linda Marsh

Date	Hours	Rate	Extended	Notes
6/28/2016	1.25	101.00	\$126.25	Mapped revised Mullica River and Great Bay SQT sample locations in response to epa cmt
Summary for Linda Marsh	1.25		\$126.25	

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/1/2016	1.00	180.00	\$180.00	review changes to slera rtc
6/7/2016	1.00	180.00	\$180.00	reviewing latest epa comments on benthic reference stations.
6/9/2016	2.00	180.00	\$360.00	follow up from epa sqt cmts

6/20/2016	1.00	180.00	\$180.00	review slera RTC, pull out for upload to portal.
6/24/2016	2.00	180.00	\$360.00	SQT response to EPA latest request
6/28/2016	4.00	180.00	\$720.00	BERA RTC Sections 1-5-final changes to responses.
Summary for Lisa Saban	11.00		\$1,980.00	

### Shannon Katka

Date	Hours	Rate	Extended	Notes
6/1/2016	1.00	169.00	\$169.00	finalize responses to SLERA comments from EPA
Summary for Shannon Katka	1.00		\$169.00	
<b>Summary for Task 51 BERA RTC</b>	<b>51.25</b>		<b>\$7,581.75</b>	

## Task 53 Dispute Issue Support

### Brian Church

Date	Hours	Rate	Extended	Notes
6/7/2016	3.00	124.00	\$372.00	Reviewing and commenting on exposure depth memo and SQT acceptability memo from Battelle
Summary for Brian Church	3.00		\$372.00	

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/7/2016	1.00	180.00	\$180.00	review latest dispute letter and staff analysis from EPA.
Summary for Lisa Saban	1.00		\$180.00	

### Mike Johns

Date	Hours	Rate	Extended	Notes
6/22/2016	3.00	192.00	\$576.00	Review of DR finding from R2
6/23/2016	4.00	192.00	\$768.00	Continue consideration of impact of DR resolution
Summary for Mike Johns	7.00		\$1,344.00	
<b>Summary for Task 53 Dispute Issue Support</b>	<b>11.00</b>		<b>\$1,896.00</b>	

## Task 54 Revised SLERA

### Kim Goffman

Date	Hours	Rate	Extended	Notes
6/1/2016	2.00	143.00	\$286.00	Prepare sediment screen using EPA approach/criteria for SLERA appendix.
6/8/2016	3.00	143.00	\$429.00	Finish sediment screen using EPA approach/criteria for SLERA appendix.
Summary for Kim Goffman		5.00	\$715.00	

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/1/2016	1.00	180.00	\$180.00	go over new table from ROb on NJDEP values and review implications
6/2/2016	1.00	180.00	\$180.00	review new slera screen results from njdep table
6/16/2016	2.00	180.00	\$360.00	final questions and wrap up of SLERA.answer questions from rob that epa is asking him about chemicals screening in.
6/17/2016	3.00	180.00	\$540.00	final review of SLERA and upload to project portal for TC review.
Summary for Lisa Saban		7.00	\$1,260.00	

### Shannon Katka

Date	Hours	Rate	Extended	Notes
6/1/2016	1.50	169.00	\$253.50	In response to epa direction for new slera tables and screen work with Kim on assumptions for revised FFS summary table; add language in SLERA to call out evaluation
6/7/2016	2.00	169.00	\$338.00	In response to epa direction for new slera tables and screen revisions to TRV SLERA tables to reflect CPG recommended values independent of FFS-selected values; work on RI comment request to screen sediment using specific EPA thresholds and format from FFS
6/8/2016	1.00	169.00	\$169.00	In response to epa direction for new slera tables and screen work on RI comment request and finalize screening sediment table using specific EPA thresholds and format from FFS
6/9/2016	1.25	169.00	\$211.25	In response to epa direction for new slera tables and screen work on RI comment request to finalize screening sediment table using specific EPA thresholds and format from FFS

6/17/2016	0.50	169.00	\$84.50	In response to epa direction for new slera tables and screen finalize SLERA for submittal to CPG; communication with Lisa and Rob on NJDEP sediment screening table added to SLERA per EPA request
Summary for Shannon Katka		6.25	\$1,056.25	

### Thai Do

Date	Hours	Rate	Extended	Notes
6/9/2016	0.50	124.00	\$62.00	QC Table 6-2 for Shannon
Summary for Thai Do		0.50	\$62.00	
Summary for Task 54 Revised SLERA		18.75	\$3,093.25	

## Task 55 BERA Toxicity Evaluation

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/1/2016	1.00	180.00	\$180.00	discussion on copper toxicity and evaluation for trv.
6/10/2016	2.00	180.00	\$360.00	copper and metals in general discussiona and direction.
Summary for Lisa Saban		3.00	\$540.00	
Summary for Task 55 BERA Toxicity Evaluation		3.00	\$540.00	

## Task 56 Revised BERA

### Berit Bergquist

Date	Hours	Rate	Extended	Notes
6/2/2016	1.75	169.00	\$295.75	work on PCB TRV and discuss with Shannon; add input to Shannon for slides for Lisa
6/3/2016	4.00	169.00	\$676.00	work on slides for Lisa's CPG presentation; work on uncertainty section for birds
6/8/2016	3.00	169.00	\$507.00	continue working on effects, risk characterization and uncertainty write ups in Section 8
6/9/2016	4.00	169.00	\$676.00	continue writing results and uncertainty sections in Section 8; continue working with Nina to prepare tables for Section 8
6/10/2016	4.00	169.00	\$676.00	continue working on tables and writeup in Section 8
6/11/2016	10.00	169.00	\$1,690.00	work on writing up text in Section 8

6/12/2016	2.00	169.00	\$338.00	finish internal first draft of revised Section 8 and send to Lisa for review
6/21/2016	2.00	169.00	\$338.00	work on final changes and edits to Section 8
6/22/2016	2.00	169.00	\$338.00	continue finalizing Section 8
6/23/2016	4.00	169.00	\$676.00	work final text in Section 8 - identifying COCs and risk drivers
6/24/2016	6.50	169.00	\$1,098.50	Write summary section and finalize Section 8 for internal review
Summary for Berit Bergquist				
	43.25		\$7,309.25	

### Brian Church

Date	Hours	Rate	Extended	Notes
6/1/2016	5.75	124.00	\$713.00	Continuing to update appendix X (toxicity LOE, start of chemistry LOE)
6/2/2016	7.50	124.00	\$930.00	updating appendix X and Section 6 (finished draft of X; started 6)
6/3/2016	3.25	124.00	\$403.00	Revising Section 6
6/6/2016	3.00	124.00	\$372.00	Updating Section 6, Appendices; creating appendix to describe "medium impact" analysis
6/8/2016	0.50	124.00	\$62.00	Discussing MR/GB data discrepancies with Kim, Mike
6/9/2016	0.50	124.00	\$62.00	Discussing benthic sections with Karen
6/10/2016	0.50	124.00	\$62.00	coordinating on Appendix X QC with Karen; getting articles for Matt
6/21/2016	0.25	124.00	\$31.00	coordinating with Shana on Section 2 revisions
Summary for Brian Church				
	21.25		\$2,635.00	

### David DeForest

Date	Hours	Rate	Extended	Notes
6/1/2016	1.50	169.00	\$253.50	Review of tissue-based metal TRVs and text
6/13/2016	1.00	169.00	\$169.00	Review of text on tissue-based TRVs for metals
Summary for David DeForest				
	2.50		\$422.50	

### Jenna Rheuben

Date	Hours	Rate	Extended	Notes
6/1/2016	5.25	124.00	\$651.00	Revised EPA TRVs from table to text, recreate FFS table, calc HQs.
6/2/2016	8.00	124.00	\$992.00	Create PCB SSD for bird diet, revised EPA TRVs from table to text, recreate FFS table, calc HQs.
6/3/2016	8.00	124.00	\$992.00	Create PCB SSD for bird diet, revised EPA TRVs from table to text, recreate FFS table, calc HQs.

6/6/2016	8.00	124.00	\$992.00	Recreate summary tables from FFS (COPECs only), update HQ tables for benthic invertebrates/fish tissue. Review USEPA TRV sources for write up.
6/7/2016	8.25	124.00	\$1,023.00	Review USEPA TRV sources for write up, update HQ tables for TC meeting
6/8/2016	8.00	124.00	\$992.00	Review USEPA TRV sources for write up.
6/9/2016	8.00	124.00	\$992.00	Review USEPA TRV sources for write up, revise DDx bird diet SSD.
6/13/2016	2.00	124.00	\$248.00	Passaic SSD for mercury and bird diet, revise copper SSD figures.
6/14/2016	5.00	124.00	\$620.00	BERA in-house comment review for Section 6.
6/15/2016	6.00	124.00	\$744.00	Regional background of copper and lead table based on studies cited in the FFS comments, Fish tissue SSD for total DDx.
6/16/2016	2.00	124.00	\$248.00	BERA in-house comment review for Section 7
6/21/2016	2.25	124.00	\$279.00	QC Section 8 uncertainty tables.
6/22/2016	6.25	124.00	\$775.00	QC section 8 tables, new SSD for birds and mercury,
Summary for Jenna Rheuben	77.00		\$9,548.00	

### Jennifer Parker

Date	Hours	Rate	Extended	Notes
6/1/2016	7.00	169.00	\$1,183.00	Continued working on revising the BERA.
6/2/2016	7.50	169.00	\$1,267.50	Continued working on revising the BERA and helped prepare slide for upcoming TC meeting.
6/3/2016	7.00	169.00	\$1,183.00	Continued working on revising the BERA.
6/7/2016	7.00	169.00	\$1,183.00	Continued working on BERA and BERA summary slides. Reviewed preliminary Appendix H figures.
6/8/2016	7.00	169.00	\$1,183.00	Continued working on BERA. Began to format mammal diet calculations for Appendix G (in preparation for Nina to complete).
6/9/2016	7.00	169.00	\$1,183.00	Continued working on BERA. Began to format bird diet calculations for Appendix G (for Nina to complete). Coordinated with data manager.
6/10/2016	6.00	169.00	\$1,014.00	Continued working on revising the BERA and Appendix H.
6/13/2016	2.00	169.00	\$338.00	Coordinated with data manager and continued to update BERA.
6/14/2016	6.00	169.00	\$1,014.00	Continued working on the BERA, coordinated with data manager.
6/15/2016	5.00	169.00	\$845.00	Continued working on BERA.
6/16/2016	3.00	169.00	\$507.00	Continued working on revising the BERA.
6/17/2016	5.00	169.00	\$845.00	Continued working on revising the BERA.
6/20/2016	6.50	169.00	\$1,098.50	Continued working on revising the BERA.
6/21/2016	7.50	169.00	\$1,267.50	Continued working on revising the BERA.
6/22/2016	4.00	169.00	\$676.00	Continued revising the BERA.
6/23/2016	8.00	169.00	\$1,352.00	Continued revising the BERA and coordinated with data manager.

6/24/2016	6.50	169.00	\$1,098.50	Continued working on updating BERA and Appendix files.
6/27/2016	4.00	169.00	\$676.00	Continued working on BERA, helped to organize figures, and conducted QC.
6/28/2016	2.50	169.00	\$422.50	Reviewed appendix files and continued working on revising the BERA.
6/29/2016	5.00	169.00	\$845.00	Conducted QC and continued working on revising BERA.
6/30/2016	5.00	169.00	\$845.00	Continued working on revising BERA.
Summary for Jennifer Parker				
	118.50		\$20,026.50	

### Karen Tobiason

Date	Hours	Rate	Extended	Notes
6/1/2016	2.50	169.00	\$422.50	update benthic LOE discussion
6/3/2016	4.00	169.00	\$676.00	Continue to review the benthic sections of the BERA.
6/9/2016	7.00	169.00	\$1,183.00	Continue to review revisions to Section 6 and SQT appendix.
6/10/2016	7.50	169.00	\$1,267.50	Continue to review and revise Section 6 and SQT appendix of the BERA, check figures and tables.
6/13/2016	2.50	169.00	\$422.50	Continue to work on benthic BERA revisions.
Summary for Karen Tobiason				
	23.50		\$3,971.50	

### Kim Goffman

Date	Hours	Rate	Extended	Notes
6/1/2016	0.50	143.00	\$71.50	Export tissue data for mammal diet sensitivity analysis.
6/2/2016	5.00	143.00	\$715.00	Summarize sediment criteria sources for benthic BERA. Continue work on KM TEQ calculations for regional tissue.
6/3/2016	3.00	143.00	\$429.00	Finish work on KM TEQ calcs for regional tissue; update summary statistics and appendices.
6/6/2016	3.00	143.00	\$429.00	QC and redline Appendix O and P stats/EPCs/HQs.
6/7/2016	2.00	143.00	\$286.00	Update fish TRV and related screening tables/sections.
6/8/2016	2.00	143.00	\$286.00	QC and redline Section 6 and 7 data tables.
6/9/2016	6.00	143.00	\$858.00	Update Appendix C and G tables.
6/10/2016	7.00	143.00	\$1,001.00	Update Appendix K and L tables.
6/13/2016	6.00	143.00	\$858.00	Finish updating Appendix K and L tables.
6/14/2016	3.00	143.00	\$429.00	Continue updating Appendix P.
6/17/2016	6.00	143.00	\$858.00	Finish updating Appendix P. Start updating appendix J.
6/20/2016	1.00	143.00	\$143.00	Run UCLs for fish egg diet calcs.
6/21/2016	3.00	143.00	\$429.00	QC and redline sections App O and P.
6/23/2016	4.50	143.00	\$643.50	QC and redline sections 10 and 12; update App L regional dataset.

6/24/2016	8.00	143.00	\$1,144.00	QC and redline section 7; update screen. Start review of section 6. Start review of Appendix J figures.
6/28/2016	2.00	143.00	\$286.00	Review approach for background summaries in Appendix J; discuss revisions.
6/29/2016	9.00	143.00	\$1,287.00	Finish compiling App C; add receptor reference. Continue compiling App G; create hyperlink reference.
6/30/2016	10.00	143.00	\$1,430.00	Finish compiling App C; add receptor reference. Continue compiling App G; create hyperlink reference.
Summary for Kim Goffman				
	81.00		\$11,583.00	

### Linda Marsh

Date	Hours	Rate	Extended	Notes
6/1/2016	1.50	101.00	\$151.50	Edited Bera maps.
6/3/2016	1.00	101.00	\$101.00	Began mapping SQT WOE analysis results.
6/6/2016	6.00	101.00	\$606.00	Finished making maps of SQT WOE results.
6/7/2016	8.00	101.00	\$808.00	Finished maps of benthic endpoints.
6/23/2016	1.00	101.00	\$101.00	Checked and added wildlife section citations for Berit.
6/24/2016	1.50	101.00	\$151.50	Replaced WW logo on all BERA maps
6/27/2016	0.50	101.00	\$50.50	Checked figure numbers on sections 2 to 4 maps.
Summary for Linda Marsh				
	19.50		\$1,969.50	

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/1/2016	2.00	180.00	\$360.00	BERA revisions.
6/2/2016	1.00	180.00	\$180.00	respond to staff questions on bera
6/10/2016	2.00	180.00	\$360.00	BERA mammal section background discussion and review.
6/13/2016	4.00	180.00	\$720.00	fish section background evaluation.
6/14/2016	2.00	180.00	\$360.00	Continue fish section review and background.
6/15/2016	3.00	180.00	\$540.00	BERA review and discuss with Shannon.
6/16/2016	4.00	180.00	\$720.00	work on BERA
6/20/2016	4.00	180.00	\$720.00	Revised BERA. Work with Shannon.
6/21/2016	4.00	180.00	\$720.00	revised BERA, continue to work with shannon on all sections - issues and analyses.
6/22/2016	4.00	180.00	\$720.00	Revised BERA sections 7-12.
6/23/2016	3.00	180.00	\$540.00	Revised BERA.
6/27/2016	4.00	180.00	\$720.00	BERA sections 1-5
6/28/2016	4.00	180.00	\$720.00	BERA sections 1-5.
Summary for Lisa Saban				
	41.00		\$7,380.00	



**Matt Luxon**

Date	Hours	Rate	Extended	Notes
6/1/2016	3.50	169.00	\$591.50	Responding to internal comments on fish section.
6/2/2016	4.25	169.00	\$718.25	Responding to internal comments on fish and invertebrate sections.
6/6/2016	3.50	169.00	\$591.50	Responding to internal comments on BERA.
6/7/2016	1.00	169.00	\$169.00	Responding to internal comments on BERA.
6/13/2016	2.50	169.00	\$422.50	Responding to internal comments on benthic invertebrate tissue line of evidence.
6/14/2016	1.50	169.00	\$253.50	Responding to internal comments on benthic invertebrate tissue line of evidence.
Summary for Matt Luxon				
	16.25		\$2,746.25	

**Mike Johns**

Date	Hours	Rate	Extended	Notes
6/6/2016	4.00	192.00	\$768.00	Benthic text revisions
6/24/2016	2.00	192.00	\$384.00	Reread Section 2
6/30/2016	3.00	192.00	\$576.00	Addressing background and reference issues
Summary for Mike Johns				
	9.00		\$1,728.00	

**Nina Maas**

Date	Hours	Rate	Extended	Notes
6/1/2016	3.75	124.00	\$465.00	Bird egg HQ table
6/2/2016	7.00	124.00	\$868.00	Edits and additions to bird egg HQ table, uncertainty tables
6/3/2016	6.00	124.00	\$744.00	QC of HQ table in section 8 BERA, Appendix D
6/6/2016	4.00	124.00	\$496.00	Conducted QC of HQ tables in section 8 of BERA, corrections and additions to Appendix D worksheet
6/7/2016	0.50	124.00	\$62.00	Continue additions and edits to Appendix D sheet
6/8/2016	5.50	124.00	\$682.00	Additions to Appendix D1 sheet, Dose HQ Tables
6/9/2016	7.00	124.00	\$868.00	creation of bird egg concentration tables, addition of tables to section 8 document, QC Bird egg calculations
6/10/2016	8.00	124.00	\$992.00	Creation of new tables section 8
6/13/2016	3.00	124.00	\$372.00	Addressed comments and adjusted tables in section 8, adjustments to bera bird diet sheet
6/14/2016	1.00	124.00	\$124.00	Adjustment to BERA calculation sheet
6/15/2016	1.00	124.00	\$124.00	Table adjustment and creation for section 8
6/16/2016	4.00	124.00	\$496.00	Section 8 adjustments

6/17/2016	5.50	124.00	\$682.00	Continued adjustments to section 8, Appendix G
6/20/2016	3.50	124.00	\$434.00	Adjustment of Appendix G
6/22/2016	1.00	124.00	\$124.00	QC adjustments to Section 8
6/23/2016	7.00	124.00	\$868.00	changes and updates to section 8
6/24/2016	4.00	124.00	\$496.00	Additions to Appendix E and adjustments to Section 8
6/27/2016	0.50	124.00	\$62.00	Section 8 adjustments
Summary for Nina Maas				
	72.25		\$8,959.00	

### Shana Schorsch

Date	Hours	Rate	Extended	Notes
6/1/2016	6.25	124.00	\$775.00	BERA Appendix D review, Sections 4 & 5 review
6/2/2016	3.50	124.00	\$434.00	Sections 5 & 3 review.
6/3/2016	1.25	124.00	\$155.00	Further review Appendix D
6/14/2016	9.00	124.00	\$1,116.00	Section 9 review
6/15/2016	7.00	124.00	\$868.00	Section 9 review, Appendix H review
6/16/2016	1.00	124.00	\$124.00	Appendix H review
6/20/2016	4.00	124.00	\$496.00	Sections 1-5 review/acronyms
6/21/2016	3.50	124.00	\$434.00	BERA status phone conference, Sections 1-5 figures
6/23/2016	2.00	124.00	\$248.00	Sections 1-5 continuing final review, status
6/24/2016	4.50	124.00	\$558.00	Sections 10-12 review, Appendix F
6/27/2016	7.75	124.00	\$961.00	Sections 8 & 9 review
6/28/2016	3.00	124.00	\$372.00	Final and clean Sections 1-5, RTC Sections 1-5, maps Sections 1-5
6/29/2016	5.25	124.00	\$651.00	Section 8 review
6/30/2016	3.00	124.00	\$372.00	Section 8 review
Summary for Shana Schorsch				
	61.00		\$7,564.00	

### Shannon Katka

Date	Hours	Rate	Extended	Notes
6/1/2016	2.50	169.00	\$422.50	work on TRV bird egg section and review of bird egg results and HQ summaries
6/2/2016	1.50	169.00	\$253.50	work on BERA wildlife uncertainty section; work on TRV bird egg section
6/7/2016	1.50	169.00	\$253.50	work on BERA review and writing of bird egg section focusing on effects section and arguments on EPA's recommended TRVs
6/8/2016	3.00	169.00	\$507.00	review of bird diet effects section and arguments on EPA recommended TRVs (2.5 hrs); begin review of fish ERA section (0.5 hrs)

6/9/2016	3.25	169.00	\$549.25	work on QC of bird egg calculations for revised BERA; review/revise mammal effects section on arguments on EPA recommended TRVs; begin review of fish section and fish effects thresholds
6/10/2016	0.25	169.00	\$42.25	look into revised plant intermediate screening tables and results
6/14/2016	6.00	169.00	\$1,014.00	review of revised BERA - fish tissue LOE
6/15/2016	5.75	169.00	\$971.75	continue review of revised BERA - fish and benthic tissue LOE; update rationale on assessment of EPA TRVs
6/16/2016	1.00	169.00	\$169.00	HAZWPR refresher online class
6/17/2016	5.75	169.00	\$971.75	continue review of revised BERA - fish tissue and fish egg LOEs; update rationale on assessment of EPA TRVs; review discussion and rationale for use of ACRs
6/21/2016	5.50	169.00	\$929.50	review of BERA fish section, bird SSDs, and appendices, and background evaluation
6/28/2016	8.00	169.00	\$1,352.00	working on BERA unresolved issues and BERA review; focus on background evaluation, fish/benthic tissue evaluation and fish risk assessment/risk drivers
Summary for Shannon Katka				
	44.00		\$7,436.00	

### Siobhan Sloan-Evans

Date	Hours	Rate	Extended	Notes
6/1/2016	6.00	124.00	\$744.00	Updating exposure, risk characterization, and uncertainty sections of BERA sections 6.2 (benthic surface water assessment) and 7.3 (fish surface water assessment).
6/3/2016	0.50	124.00	\$62.00	Final review of appendix D; compilation of Attachment D1 (toxicity data)
6/7/2016	0.75	124.00	\$93.00	QC of Attachment D1 for Appendix D
6/9/2016	0.75	124.00	\$93.00	QC of Attachment D1 for Appendix D
6/13/2016	0.25	124.00	\$31.00	revisions to fish surface water assessment
6/14/2016	0.75	124.00	\$93.00	final revisions to Appendix D; QC of Attachment D1
6/23/2016	0.50	124.00	\$62.00	final review of BERA sections 10-12
6/29/2016	0.25	124.00	\$31.00	Support to Kim G. (adding BLM-based TRVs to Attachment D1 of Appendix D)
Summary for Siobhan Sloan-Evans				
	9.75		\$1,209.00	

### Suzanne Replinger

Date	Hours	Rate	Extended	Notes
6/1/2016	2.00	169.00	\$338.00	mammal sensitivity analysis updates
6/3/2016	4.50	169.00	\$760.50	mammal sensitivity analysis updates
6/6/2016	5.50	169.00	\$929.50	revisions to PRA for BERA
6/7/2016	4.25	169.00	\$718.25	revisions to PRA for BERA, preparing graphics
6/8/2016	4.50	169.00	\$760.50	revisions to PRA for BERA, preparing graphics

6/9/2016	2.50	169.00	\$422.50	updating appendix H per PRA revisions
6/10/2016	1.75	169.00	\$295.75	updating appendix H per PRA revisions
Summary for Suzanne Replinger		25.00	\$4,225.00	

**Summary for Task 56 Revised BERA**

**664.75**

**\$98,712.50**

## Task 57 Response to EPA RI Comments

### Brian Church

Date	Hours	Rate	Extended	Notes
6/1/2016	0.50	124.00	\$62.00	Discussing biomass dataset with Nina
6/3/2016	1.25	124.00	\$155.00	Updating biomass database of Nina's with additional values; reviewing database and commenting
6/6/2016	0.75	124.00	\$93.00	Review/qc of biomass database from literature
6/7/2016	4.50	124.00	\$558.00	Updating and QC'ing literature-based biomass database; meeting to discuss upcoming meeting on modeling bioaccumulation; coordinating with Rocky, Nina on finalizing lit biomass database
6/8/2016	3.50	124.00	\$434.00	Finalizing benthic biomass literature database and analyzing biomass data
6/9/2016	7.75	124.00	\$961.00	Updating benthic database, calculating CFs, developing tables, figures, slides; comparing Chesapeake data to literature
6/10/2016	4.50	124.00	\$558.00	Continuing to develop biomass database, figures, slides, tables
6/13/2016	0.50	124.00	\$62.00	reading/responding to emails
6/20/2016	6.75	124.00	\$837.00	Developing slides for upcoming meeting with associated analyses
6/21/2016	2.75	124.00	\$341.00	Discussing benthic biomass internally; updating slides for John; carp search for Lisa/Rob
6/22/2016	5.00	124.00	\$620.00	Internal discussion of upcoming meeting; creating slides for John; coordinating with Mike on slides/comments; starting evaluation of carp vs. other benthivores in LPRSA;
6/23/2016	2.50	124.00	\$310.00	Carp analyses for Rob; providing summary to Mike, Lisa
6/24/2016	3.75	124.00	\$465.00	Revising slides, figures, text for benthic biomass parameterization; providing biomass parameterization analysis to Nate;
6/28/2016	2.50	124.00	\$310.00	Internal discussion regarding slides for presentation to EPA; responding to questions from Mike, Lisa, John
Summary for Brian Church		46.50	\$5,766.00	

### Jenna Rheuben

Date	Hours	Rate	Extended	Notes
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6/13/2016	8.00	124.00	\$992.00	Tissue summary data for bioaccumulation model: back calculate fillet to whole body concentrations, data management.
6/14/2016	3.00	124.00	\$372.00	Tissue summary data for bioaccumulation model: back calculate fillet to whole body concentrations, data management, QC.
6/23/2016	3.25	124.00	\$403.00	Khairy et al. data for TetraPCBs and 2378-TCDD for Nate.
Summary for Jenna Rheuben	14.25		\$1,767.00	

### John Toll

Date	Hours	Rate	Extended	Notes
6/1/2016	4.50	180.00	\$810.00	RI comment responses, call with TC risk subcommittee
6/6/2016	3.00	180.00	\$540.00	RI comment response work
6/8/2016	5.00	180.00	\$900.00	TC call
6/10/2016	1.00	180.00	\$180.00	Oversight modeling meeting prep
6/13/2016	2.00	180.00	\$360.00	Bioaccumulation modeling work in prep for meeting w/ R2
6/14/2016	2.50	180.00	\$450.00	CFT-bioaccumulation modeling discussion with the AQ CFT and Windward bioaccumulation modelers, plus prep and follow-up
6/16/2016	2.00	180.00	\$360.00	Bioaccumulation model comment response work
6/17/2016	6.00	180.00	\$1,080.00	Prep for June 29 meeting and June 20 pre-meeting
6/19/2016	4.00	180.00	\$720.00	response to RI comments/prep for EPA meeting
6/20/2016	3.00	180.00	\$540.00	response to RI comments/prep for EPA meeting
6/21/2016	1.00	180.00	\$180.00	response to RI comments/prep for EPA meeting
6/22/2016	3.00	180.00	\$540.00	response to RI comments/prep for EPA meeting
6/23/2016	5.00	180.00	\$900.00	response to RI comments/prep for EPA meeting
6/24/2016	4.00	180.00	\$720.00	response to RI comments/prep for EPA meeting
6/27/2016	8.00	180.00	\$1,440.00	Prep for modeling meetings
6/28/2016	8.00	180.00	\$1,440.00	attendance at EPA modeling meeting day 1, prep for day 2
6/29/2016	8.00	180.00	\$1,440.00	attendance at EPA modeling meeting day 2, follow-up
6/30/2016	3.00	180.00	\$540.00	Portland Harbor carp, bioaccumulation modeling meeting follow-up
Summary for John Toll	73.00		\$13,140.00	

### Kim Goffman

Date	Hours	Rate	Extended	Notes
6/21/2016	0.75	143.00	\$107.25	Provide data support for carp comparison to other LPRSA fish in response to RI cmt for letter to R2.
Summary for Kim Goffman	0.75		\$107.25	

**Linda Marsh**

Date	Hours	Rate	Extended	Notes
6/16/2016	1.00	101.00	\$101.00	Calculated river miles and XY coordinates for historical fish sample locations to support John on RI work.
Summary for Linda Marsh				
	1.00		\$101.00	

**Lisa Saban**

Date	Hours	Rate	Extended	Notes
6/2/2016	1.00	180.00	\$180.00	respond to questions from Anchor on RI
6/7/2016	2.00	180.00	\$360.00	preparing sow for comment response- review comments and upcoming work.
6/13/2016	1.00	180.00	\$180.00	review letter and discuss with mike. reply to rob.
6/14/2016	2.00	180.00	\$360.00	review modeling information for upcoming RI mgt.
6/21/2016	2.00	180.00	\$360.00	prep for next week, support John on bioaccum RI issues.
6/22/2016	2.00	180.00	\$360.00	meet and follow up on prep for next week bioaccumulation issues for RI. Talk with Rob.
6/24/2016	3.00	180.00	\$540.00	work on additional edits to carp memo Rob is preparing. Discuss and then review Brian's additional analyses to support Rob's letter.
6/26/2016	4.00	180.00	\$720.00	additional prep for this weeks meetings for John.
6/27/2016	3.00	180.00	\$540.00	Go over details of memo with Brian and Kim. Help prepare for RI mgt.
6/28/2016	2.00	180.00	\$360.00	call with folks on meetings this week bioaccumulation; also send RLSO letter back to Rob on carp RI cmt.
6/30/2016	2.00	180.00	\$360.00	meet on SQT and background changes per EPAs new comment.
Summary for Lisa Saban				
	24.00		\$4,320.00	

**Matt Luxon**

Date	Hours	Rate	Extended	Notes
6/10/2016	4.00	169.00	\$676.00	Researching carp gill particulate exposure.
6/13/2016	4.00	169.00	\$676.00	Researching carp bioaccumulation via suspended particulate matter.
6/17/2016	2.50	169.00	\$422.50	Researching fish relative abundance and carp bioaccumulation via suspended particulate matter.
6/20/2016	4.00	169.00	\$676.00	Evaluating relative fraction of pelagic filter feeding fish in LPRSA fish community.
6/21/2016	4.00	169.00	\$676.00	Evaluating carp gill bioaccumulation of sediment particulate matter and relative fraction of pelagic filter feeding fish in LPRSA fish community.

6/22/2016	4.00	169.00	\$676.00	Evaluating carp gill bioaccumulation of sediment particulate matter and relative fraction of pelagic filter feeding fish in LPRSA fish community. Creating graphics for presentation.
6/24/2016	2.00	169.00	\$338.00	Evaluating carp gill bioaccumulation of sediment particulate matter and relative fraction of pelagic filter feeding fish in LPRSA fish community. Creating graphics for presentation. Creating graphics for presentation.
6/28/2016	0.50	169.00	\$84.50	Addressing questions from John regarding carp and fish community.
Summary for Matt Luxon				
	25.00		\$4,225.00	

### Mike Johns

Date	Hours	Rate	Extended	Notes
6/7/2016	2.00	192.00	\$384.00	R2 bioaccumulation mtg prep
6/21/2016	2.00	192.00	\$384.00	Begin prep for R2 model meeting
6/22/2016	2.00	192.00	\$384.00	Continue prep and discussion of R2 comments
6/24/2016	3.00	192.00	\$576.00	Fluff layer call with Anchor QEA and continue prep
6/28/2016	8.00	192.00	\$1,536.00	Prep for biaccum model mtg with R2
6/29/2016	8.00	192.00	\$1,536.00	Mtg wit hR2 on bioaccum model
6/30/2016	5.00	192.00	\$960.00	Folowuup to mtg on benthic CSm relative to exposure model
Summary for Mike Johns				
	30.00		\$5,760.00	

### Nate Lewis

Date	Hours	Rate	Extended	Notes
6/7/2016	4.00	143.00	\$572.00	Prep for bioaccumulation response to comments meeting - project meeting and comment review and classification
6/8/2016	8.00	143.00	\$1,144.00	Prep for bioaccumulation response to comments meeting - review of applicable tissue data not used in model
6/9/2016	8.00	143.00	\$1,144.00	Prep for bioaccumulation response to comments meeting - review of applicable tissue data not used in model
6/10/2016	8.00	143.00	\$1,144.00	Prep for bioaccumulation response to comments meeting - review of temporal and spatial scale of model empirical dataset
6/14/2016	8.00	143.00	\$1,144.00	Passaic meeting prep - response to EPA comments
6/15/2016	7.75	143.00	\$1,108.25	Passaic meeting prep - response to EPA comments
6/16/2016	8.00	143.00	\$1,144.00	Passaic meeting prep - response to EPA comments
6/17/2016	8.00	143.00	\$1,144.00	Passaic meeting prep - response to EPA comments
6/18/2016	2.00	143.00	\$286.00	Passaic meeting prep - response to EPA comments
6/20/2016	8.00	143.00	\$1,144.00	Passaic bioaccumulation modeling meeting prep

6/21/2016	8.00	143.00	\$1,144.00	Passaic bioaccumulation modeling meeting prep
6/22/2016	8.00	143.00	\$1,144.00	Passaic bioaccumulation modeling meeting prep
6/23/2016	8.00	143.00	\$1,144.00	Passaic bioaccumulation modeling meeting prep
6/24/2016	8.00	143.00	\$1,144.00	Passaic bioaccumulation modeling meeting prep
6/25/2016	4.00	143.00	\$572.00	Passaic bioaccumulation modeling meeting prep
6/26/2016	8.00	143.00	\$1,144.00	Passaic modeling comments meeting prep - spatial uncertainty figures
6/28/2016	2.00	143.00	\$286.00	Passaic modeling comments meeting prep - slide overview meeting with group
Summary for Nate Lewis		115.75	\$16,552.25	

### Nina Maas

Date	Hours	Rate	Extended	Notes
6/1/2016	3.75	124.00	\$465.00	data entry of benthic biomass estimates, QC Wildlife PCL table
6/3/2016	0.50	124.00	\$62.00	QC RI comment suggested FFS TRVs
6/6/2016	1.00	124.00	\$124.00	Corrections and additions to benthic estimates
6/15/2016	2.00	124.00	\$248.00	Literature search for arnot and gobas carp model
Summary for Nina Maas		7.25	\$899.00	

### Rocky Wells

Date	Hours	Rate	Extended	Notes
6/7/2016	2.00	124.00	\$248.00	Looked up species classifications for Brian Church
6/8/2016	2.25	124.00	\$279.00	Completed looking up species classifications for Brian Church
6/20/2016	3.50	124.00	\$434.00	Reviewed table of biomass conversion factors
Summary for Rocky Wells		7.75	\$961.00	

### Suzanne Replinger

Date	Hours	Rate	Extended	Notes
6/7/2016	1.75	169.00	\$295.75	bioaccumulation modeling comments overview in prep for June 29 mtg
6/8/2016	0.50	169.00	\$84.50	considering spatial calibration for bioaccumulation model
6/13/2016	1.75	169.00	\$295.75	started evaluation of bsafs for benthic inverts
6/16/2016	1.50	169.00	\$253.50	working on ppt slides for bioaccum model responses
6/17/2016	0.50	169.00	\$84.50	working on ppt slides for bioaccum model responses
Summary for Suzanne Replinger		6.00	\$1,014.00	



## Thai Do

Date	Hours	Rate	Extended	Notes
6/7/2016	0.75	124.00	\$93.00	QC FFS summary stats for Kim
Summary for Thai Do	0.75		\$93.00	
Summary for Task 57 Response to EPA RI Comments				
	352.00		\$54,705.50	
Summary for Passaic RI				
	1,162.25		\$177,295.50	

# Heidi Enders

**From:** Alaska Airlines <alaska.it@alaskaair.com>  
**Sent:** Wednesday, June 01, 2016 10:58 PM  
**To:** Heidi Enders  
**Subject:** Receipt sent from alaskaair.com

A friend has sent you the below receipt along with the following message:

*Alaska*

## Traveler Information

Traveler	Seats **	Services Requested	Traveler Documentation
Name: David Johns			
MP#: Alaska 12486191 - Gold 75K	1D		Enter required documentation
E-Ticket: 0272115777564 ✓			

\*\* Seat assignments are subject to change.

## Flights

Flight confirmation code: **ZZFMVC**

### Flights

Flight	Departs	Arrives
Flight 1 of 1 <i>Alaska</i> Alaska 777 First (F)   Nonstop   <a href="#">Details</a>	Atlanta, GA (ATL) <b>6:50 pm</b> Tue, Jun 14	Seattle (SEA) <b>9:15 pm</b> Tue, Jun 14
Alaska 777 <a href="#">Distance</a> : 2,177 mi   Duration: 5hours 25minutes		

### Total price for 1 passenger

\$817.10

including taxes, fees and charges

[Low-price guarantee](#)

### PRICE SUMMARY

**Flight Total for 1 passenger: \$817.10**

The VISA ending with \*\*\*\*\*4508 has been charged a total of USD \$817.10.

**Total per passenger**

<b>Fare</b>	<b>\$817.10</b>
Base fare	<del>\$746.98</del>
	\$746.98
<b>Taxes and fees</b>	
US flight segment tax	\$70.12
US psgr. facility charge	\$4.00
US Sept. 11 security fee	\$4.50
US transportation tax	\$5.60
	\$56.02

Each ticket and any booking or change fees will be a separate charge on your credit card statement.

For additional assistance with your reservation, call reservations at 1-888-345-3640.

## **RULES & RESTRICTIONS**

### **Flight**

- This fare is fully refundable.
- Your itinerary may be changed without a service fee.
- Changes to your current itinerary may result in a higher fare and an additional collection of funds.
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- [View all fare rules](#)

### **Baggage**

- **Carry-on baggage:** Each passenger is limited to one carry-on bag that measures up to 10"x17"x24", plus one personal item. See our [Carry-on baggage](#) page for more information.
- **Checked baggage:** Your first and second checked bag fees are waived each. All standard rules and fees apply. Refer to our [Checked baggage](#) page for details and exceptions.
- **Hazardous materials:** The U.S. federal government restricts hazardous materials in carry-on and checked baggage. [Read more about hazardous materials](#)

Aerosols  
Canned fuel  
Loose batteries  
Loose ammo  
Small engines  
Matches  
Cigarette lighters  
Oxygen  
Flares & fireworks

[Home](#) [Financial](#) [Reports](#) [Company](#) [User](#)[Search Reporting Structure](#) [Account Summary](#) [Transaction Summary](#) [Addenda Summary](#)

ALASKA AIRLINES INC. • UNKNOWN SEATTLE, WA 98188 TRANSACTION DATE: 06/01/2016 TRANSACTION AMOUNT: 817.10 MIKE JOHNS, XXXX-XXXX-XXXX-4508 (Active)

[Expand All](#) | [Collapse All](#)**Transportation Information (1)**

Passenger Name	Issuing Carrier	Ticket Number	Total Fare	Total Fees	Total Tax Amount
JOHNS/DAVID		0272115778423	0.00	0.00	0.00

**Trip Segments (1)**

Flight Number	Travel Date	Origin	Destination	Fare Amount	Fee Amount	Total Tax Amount
	06/15/2016	ATLANTA, GA USA (ATL)	SEATTLE, WA USA (SEA)	0.00	0.00	0.00

**Tax Information (1)**

Tax Rate	Location	Tax Type	Tax Amount	Alternate Tax Amount
0.096			71.57	

[Expand All](#) | [Collapse All](#)Currently logged in as: HEIDI ENDERS (windward2, Company Program Administrator)  
Last Visit: 07/15/2016General Disclaimer for Bank of America Merrill Lynch. | [Privacy Policy](#)

N. J. Turnpike Authority



GARDEN STATE PARKWAY

DATE: 06/29/2016 16:30 PLZ: 015  
LN: 07 COLL: 024098  
CLS 01 PAID **\$1.50**

VSN: 658791

EZPASS SPEEDS YOUR TRIP

N. J. Turnpike Authority



GARDEN STATE PARKWAY

DATE: 06/29/2016 09:25 PLZ: 004  
LN: 08 COLL: 024015  
CLS 01 PAID **\$1.50**

VSN: 294087

EZPASS SPEEDS YOUR TRIP

## Adama Airport Express

Ahmed

Fast, Efficient, and Reliable  
To and From the Airport and Around Town

Date: \_\_\_\_\_ Amount: 50.00  
From: \_\_\_\_\_ Tips: 2.00  
To: \_\_\_\_\_ Total: 52.00  
Signature: Ahmed

Your Receipt, Thank You  
Phone: 206-261-3322

## TAXI CASH RECEIPT

Newark, N.J.

Cab. No. 844 Date 6/29/16

Pick-up from Newark Penn Station

To Manhattan

Amount \$ 20.00

☐ Inc. Tolls ☐ Luggage ☐ Several Stops  
☒ Tips ☐ \$1.00 for luggage 24" size

THALC

5M12

ORDER: 5202760

CUSTOMER COPY

06/08/16 TR24252

START END MILES

16:46 17:40 4.6

Regular Fare

RATE 1:\$ 31.50

EXTRA: \$ 1.00

SURCH: \$ 0.00

STSRCH: \$ 0.50

IMSRCH: \$ 0.30

TIP: \$ 6.65

TOTAL: \$ 39.95

CARD TYPE: VISA

XXXXXXXXXXXX4508

AUTH:042739

THANKS

Adama Airport Express <sup>PASSAIC</sup>  
Ahmed

Fast, Efficient, and Reliable

To and From the Airport and Around Town

Date: 6-7-16

Amount: 50.00

From: Seattle

Tips:       

To: August

Total: 50.00

Signature: \_\_\_\_\_

Your Receipt, Thank You

Phone: 206-261-3322

G. NAME		COMPANY NO.		410092	
NAME		DEPT. NO.		FOR OFFICE USE ONLY	
VIP NO.		JOB/FARE NO.		CAR NO.	
DATE		TIME OF P/U		FROM ZONE	
6/10/2016					
NO. OF PASS.		ORIGINAL W.T.		TO ZONE	
FROM	ZIP/ZONE	STOPS	ZIP/ZONE	W.T.	INIT.
FINAL DEST.					
AUTH. BY					
N.Y. APPLE LIMOUSINE CO.		CLIENT NO.		FARE	
				W.T.	
				A.S.	
				TOLLS PKG.	
				TEL.	
				TOTAL	
				45.00	

*Cash Fare 50.2*  
**THE PORT AUTHORITY OF NY & NJ**

Welcome to The Port Authority of NY & NJ  
 Newark Liberty International Airport

KEEP THIS FARE RECEIPT  
 DO NOT GIVE TO ANYONE

**CAB 117**

Dispatched by Michael Clark

Departed Terminal A at 6/7/16 4:32 PM

Destination: Harrison

Destination Fare ..... \$29.00

Bags: 1 (24" or greater) ..... \$0.00

Fare including Luggage Fee ..... \$29.00

**TIPS AND ROUND UP TOLLS ARE  
 NOT INCLUDED IN FARE TOTAL**

Thank You For Choosing  
 Newark Liberty International Airport

Lost property, complaints or comments  
 Phone Support - Just Call # Below:  
 Cabs @ Terminal A: (908) 820-4182  
 Cabs @ Terminal B/C: (973) 733-8912  
 Gateway Taxi Dispatch: (973) 332-1961

AIRPORT *Baranc*  
Terminal *Task 50.2*  
Seattle-Tacoma International Airport  
P.O.Box 68727, Seattle, WA 98168  
(206) 787-5308  
www.portseattle.org/Sea-Tac

*LISA*

Receipt 7172/0608/608 06/10/16 09:55:20

010100 Pay Parking Ticket 93.00 \$  
06/07/16 05:58 - 06/10/16 09:55  
Length of stay: 3 Dy. 3 Hr. 57 Min.  
02990717374011016159215070??  
000001 SeaTacTax 3.00 \$

Total Amount 96.00 \$

Credit Visa 96.00 \$

.....  
Visa

376866  
SABAN/LISA 0  
Customer No. XXXX XXXX XXXX 6761  
Amount = \$ 96.00

\*\*\*\*\*  
THANK YOU FOR PARKING AT SEA-TAC  
\*\*\*\*\*

Rates Include All Taxes & Fees  
General Pkg: \$3/Hr, \$28/Day, \$130/Wk  
Terminal Direct: \$4/Hr, \$35/Day



Conference Call Detail For: 20681204840004 Lisa Saban

Reservation Id Participant/Access Date Time TOD Conference Type Mins Secs Cost Pac 2153483474 Participant 1 05/24 12:55P 1  
WCI Reservationless Toll Free 38 00 1.13

2153483474 Participant 1 05/24 12:55P 1 WCI Reservationless 38 00 1.13  
8436712032 Participant 10 05/24 01:00P 1 WCI Reservationless 34 00 1.01  
8436712032 Participant 10 05/24 01:00P 1 WCI Reservationless Toll Free 34 00 1.01  
2157857244 Participant 11 05/24 01:00P 1 WCI Reservationless 34 00 1.01  
2157857244 Participant 11 05/24 01:00P 1 WCI Reservationless Toll Free 34 00 1.01  
2124212150 Participant 12 05/24 01:00P 1 WCI Reservationless Toll Free 34 00 1.01  
2124212150 Participant 12 05/24 01:00P 1 WCI Reservationless 34 00 1.01  
7325600919 Participant 13 05/24 01:00P 1 WCI Reservationless 34 00 1.01  
7325600919 Participant 13 05/24 01:00P 1 WCI Reservationless Toll Free 34 00 1.01  
4409303611 Participant 14 05/24 01:00P 1 WCI Reservationless Toll Free 34 00 1.01  
4409303611 Participant 14 05/24 01:00P 1 WCI Reservationless 34 00 1.01  
9085101036 Participant 15 05/24 01:00P 1 WCI Reservationless Toll Free 33 00 .98  
9085101036 Participant 15 05/24 01:00P 1 WCI Reservationless 33 00 .98  
2125364864 Participant 16 05/24 01:01P 1 WCI Reservationless 33 00 .98  
2125364864 Participant 16 05/24 01:01P 1 WCI Reservationless Toll Free 33 00 .98  
6096834848 Participant 17 05/24 01:01P 1 WCI Reservationless Toll Free 33 00 .98  
6096834848 Participant 17 05/24 01:01P 1 WCI Reservationless 33 00 .98  
2078749004 Participant 18 05/24 01:01P 1 WCI Reservationless Toll Free 32 00 .95

Reservation Id Participant/Access Date Time TOD Conference Type Mins Secs Cost Pac 2078749004 Participant 18 05/24 01:01P 1  
WCI Reservationless 32 00 .95

6094523147 Participant 19 05/24 01:02P 1 WCI Reservationless 32 00 .95  
6094523147 Participant 19 05/24 01:02P 1 WCI Reservationless Toll Free 32 00 .95  
2068125461 Participant 2 05/24 12:55P 1 WCI Reservationless Toll Free 38 00 1.13  
2068125461 Participant 2 05/24 12:55P 1 WCI Reservationless 38 00 1.13  
9736945302 Participant 20 05/24 01:02P 1 WCI Reservationless 32 00 .95  
9736945302 Participant 20 05/24 01:02P 1 WCI Reservationless Toll Free 32 00 .95  
9734046590 Participant 21 05/24 01:03P 1 WCI Reservationless 30 00 .89  
9734046590 Participant 21 05/24 01:03P 1 WCI Reservationless Toll Free 30 00 .89  
9085078820 Participant 22 05/24 01:08P 1 WCI Reservationless 26 00 .77  
9085078820 Participant 22 05/24 01:08P 1 WCI Reservationless Toll Free 26 00 .77  
2062922078 Participant 23 05/24 01:12P 1 WCI Reservationless 21 00 .62  
2062922078 Participant 23 05/24 01:12P 1 WCI Reservationless Toll Free 21 00 .62  
7134206464 Participant 24 05/24 01:13P 1 WCI Reservationless Toll Free 21 00 .62  
7134206464 Participant 24 05/24 01:13P 1 WCI Reservationless 21 00 .62  
6096834848 Participant 3 05/24 12:57P 1 WCI Reservationless 37 00 1.10  
6096834848 Participant 3 05/24 12:57P 1 WCI Reservationless Toll Free 37 00 1.10  
9735972500 Participant 4 05/24 12:58P 1 WCI Reservationless Toll Free 36 00 1.07  
9735972500 Participant 4 05/24 12:58P 1 WCI Reservationless 36 00 1.07  
4420886647 Participant 5 05/24 12:58P 1 WCI Reservationless Toll Free 36 00 1.07  
4420886647 Participant 5 05/24 12:58P 1 WCI Reservationless 36 00 1.07  
7077554341 Participant 6 05/24 12:58P 1 WCI Reservationless Toll Free 35 00 1.04  
7077554341 Participant 6 05/24 12:58P 1 WCI Reservationless 35 00 1.04  
9736316026 Participant 7 05/24 12:59P 1 WCI Reservationless 35 00 1.04  
9736316026 Participant 7 05/24 12:59P 1 WCI Reservationless Toll Free 35 00 1.04  
7137845151 Participant 8 05/24 12:59P 1 WCI Reservationless Toll Free 35 00 1.04  
7137845151 Participant 8 05/24 12:59P 1 WCI Reservationless 35 00 1.04  
9739669671 Participant 9 05/24 12:59P 1 WCI Reservationless Toll Free 34 00 1.01  
9739669671 Participant 9 05/24 12:59P 1 WCI Reservationless 34 00 1.01

46.74

Total for 20681204840004 Calls 48 1574 00 46.74

20681204840004 Lisa Saban \$.00 \$.00 \$46.74 \$15.87

TOTAL \$62.61

## Chris Nelson

**From:** Alaska Airlines <alaska.it@alaskaair.com>  
**Sent:** Wednesday, June 01, 2016 11:03 PM  
**To:** Chris Nelson  
**Subject:** Receipt sent from alaskaair.com

A friend has sent you the below receipt along with the following message:

split between Passaic and POLA



## Traveler Information

Traveler	Seats **	Services Requested	Traveler Documentation
Name: David Johns			
MP#: Alaska 12486191 - Gold 75K	1D		Enter required documentation
E-Ticket: 0272115778423			

\*\* Seat assignments are subject to change.

## Flights

Flight confirmation code: **HHAQPU**

Flights		
Flight	Departs	Arrives
Flight 1 of 1  Alaska 777 First (F)   Nonstop   <a href="#">Details</a>	Atlanta, GA (ATL) <b>6:50 pm</b> Wed, Jun 15	Seattle (SEA) <b>9:15 pm</b> Wed, Jun 15
Alaska 777 <a href="#">Distance</a> : 2,177 mi   Duration: 5hours 25minutes		

### Total price for 1 passenger

\$817.10

including taxes, fees and charges

[Low-price guarantee](#)

### PRICE SUMMARY

**Flight Total for 1 passenger: \$817.10**

The VISA ending with \*\*\*\*\*4508 has been charged a total of USD \$817.10.

Total per passenger

	<b>\$817.10</b>
<b>Fare</b>	
	\$746.98
Base fare	
	\$746.98
<b>Taxes and fees</b>	
	\$70.12
US flight segment tax	
	\$4.00
US psgr. facility charge	
	\$4.50
US Sept. 11 security fee	
	\$5.60
US transportation tax	
	\$56.02

Each ticket and any booking or change fees will be a separate charge on your credit card statement.

For additional assistance with your reservation, call reservations at 1-888-345-3640.

## **RULES & RESTRICTIONS**

### **Flight**

- This fare is fully refundable.
- Your itinerary may be changed without a service fee.
- Changes to your current itinerary may result in a higher fare and an additional collection of funds.
- **Promotional discounts:** Discounts are not applicable to already purchased reservations.
- [View all fare rules](#)

### **Baggage**

- **Carry-on baggage:** Each passenger is limited to one carry-on bag that measures up to 10"x17"x24", plus one personal item. See our [Carry-on baggage](#) page for more information.
- **Checked baggage:** Your first and second checked bag fees are waived each. All standard rules and fees apply. Refer to our [Checked baggage](#) page for details and exceptions.
- **Hazardous materials:** The U.S. federal government restricts hazardous materials in carry-on and checked baggage. [Read more about hazardous materials](#)

Aerosols  
Canned fuel  
Loose batteries  
Loose ammo  
Small engines  
Matches  
Cigarette lighters  
Oxygen  
Flares & fireworks

# Heidi Enders

---

**From:** Alaska Airlines <alaska.it@alaskaair.com>  
**Sent:** Monday, June 06, 2016 10:30 PM  
**To:** Heidi Enders  
**Subject:** Receipt sent from alaskaair.com

A friend has sent you the below receipt along with the following message:

Hi Heidi. This goes on Passaic Task 57 unless Lisa tells you otherwise. John



## Traveler Information

Traveler	Seats **	Services Requested	Traveler Documentation
Name: John Toll			
MP#: Alaska 43350823 - Gold 75K	1C, 2D		Enter required documentation
E-Ticket: 0272116108217			

\*\* Seat assignments are subject to change.

## Flights

Flight confirmation code: **ZHMXBC**

Flights		
Flight	Departs	Arrives
Flight 1 of 2 <i>Alaska</i> Alaska 8 First (F)   Nonstop   <a href="#">Details</a>	Seattle (SEA) <b>8:10 am</b> Tue, Jun 28	Newark-Newark Intl. (EWR) <b>4:27 pm</b> Tue, Jun 28
Alaska 8 <u>Distance</u> : 2,394 mi   <u>Duration</u> : 5hours 17minutes		
Flight 2 of 2 <i>Alaska</i> Alaska 17 First (F)   Nonstop   <a href="#">Details</a>	Newark-Newark Intl. (EWR) <b>7:00 am</b> Thu, Jun 30	Seattle (SEA) <b>9:53 am</b> Thu, Jun 30
Alaska 17 <u>Distance</u> : 2,394 mi   <u>Duration</u> : 5hours 53minutes		

**Total price for 1 passenger**

\$1,840.20

including taxes, fees and charges

Low-price guarantee

## PRICE SUMMARY

**Flight Total for 1 passenger: \$1,840.20**

The VISA ending with \*\*\*\*\*7623 has been charged a total of USD \$1,840.20.

<b>Total per passenger</b>	<b>\$1,840.20</b>
Fare	\$1,685.58
Base fare	\$1,685.58
Taxes and fees	\$154.62
US flight segment tax	\$8.00
US psgr. facility charge	\$9.00
US Sept. 11 security fee	\$11.20
US transportation tax	\$126.42

Each ticket and any booking or change fees will be a separate charge on your credit card statement.

For additional assistance with your reservation, call reservations at 1-888-345-3640.

## RULES & RESTRICTIONS

### **Flight**

- This fare is fully refundable.
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- **Carry-on baggage:** Each passenger is limited to one carry-on bag that measures up to 10"x17"x24", plus one personal item. See our [Carry-on baggage](#) page for more information.
- **Checked baggage:** Your first and second checked bag fees are waived each. All standard rules and fees apply. Refer to our [Checked baggage](#) page for details and exceptions.
- **Hazardous materials:** The U.S. federal government restricts hazardous materials in carry-on and checked baggage. [Read more about hazardous materials](#)

Aerosols  
Canned fuel  
Loose batteries  
Loose ammo  
Small engines  
Matches  
Cigarette lighters

**W** UNIVERSITY LIBRARIES  
UNIVERSITY of WASHINGTON

Invoice # LIB006522

Billing Date: 7/7/2016

Budget #14-0500

**Bill to:**

Nina Maas  
200 West Mercer Street, Suite 401  
Seattle, WA ~~98195~~

**Mail Payment to:**

University of Washington  
Invoice Receivables  
PO Box 94224  
Seattle, WA 98124-6524

**Due Date**

**8/7/16**

Please include your invoice number on your check

**Total Due (US Funds)**

**\$65.76**

Make checks payable to: University of Washington  
Pay by VISA or Mastercard at <https://p.lib.washington.edu/payment/ill.do>

Federal Tax ID #91-6001537

Transaction #	Citation	Amount
1344880	S. Tao, C. Liu, R. Dawson, J. Cao, B. Li. Uptake of Particulate Lead via the Gills of Fish ( <i>Carassius auratus</i> ). Archives of Environmental Contamination and Toxicology 37 (1999): 352-357 Article from the UW Libraries. Billing Notes: Standard -	\$20.0000
1344881	S.Tao, C. Liu, R Dawson, F. Xu. Uptake of Cadmium Adsorbed on Particulates by Gills of Goldfish ( <i>Carassius auratus</i> ). Ecotoxicology and Environmental Safety 47 (2000): 306-13 Article from the UW Libraries. Billing Notes: Standard -	\$20.0000
1344882	Dennis W. Martens, James A. Servizi. Suspended Sediment Particles Inside Gills and Spleens of Juvenile Pacific Salmon ( <i>Oncorhynchus</i> spp.). Canadian Journal of Fisheries and Aquatic Sciences 50 (1993): 586-590 Article from the UW Libraries. Billing Notes: Standard -	\$20.0000

7/15

**Billing Questions: 206-221-3420**

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